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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: October 10, 2003

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	Unassigned
Filing Date	10/10/2003
First Named Inventor	Andre JESTIN
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	065691-0337

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	U.S. Patent Document Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AJ	A1	6,217,883	B1	Allen et al.	4/2001	
AJ	A2	6,287,856	B1	Poet et al.	9/2001	
AJ	A3	6,368,601	B1	Allen et al.	4/2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
AJ	A4		WO 99/18214			04/15/1999		

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Examiner Signature		Date Considered	11/23/04

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Date Submitted: October 10, 2003				**First Named Inventor**	Andre JESTIN
				Group Art Unit	Unknown
(use as many sheets as necessary)				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	065691-0337

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AJ	A5	Brian M. Meehan et al., "Sequence of porcine circovirus DNA: affinities with plant circoviruses.", Journal of General Virology, vol. 78, No. 1, pp. 221-227, January 1997, XP-002068398	
	A6	Annette Mankertz et al., "Mapping and Characterization of the Origin of DNA Replication of Porcine Circovirus.", vol. 71, No. 3, pp. 2562-2566, March 1997, XP-002078782	
	A7	Andre L. Hamel et al., "Nucleotide Sequence of Porcine Circovirus Associated with Postweaning Multisystemic Wasting Syndrome in Pigs.", Journal of Virology, col. 72, No. 6, pp. 5262-5267, June 1998, XP-002078783	
	A8	Brian M. Meehan et al, "Characterization of novel circovirus DNAs associated with wasting syndromes in pigs.", Journal of General Virology, vol. 79, No. 9, pp. 2171-2179, September 1998, XP-002090386	
	A9	Igor Morozov et al., "Detection of a Novel Strain of Porcine Circovirus in Pigs with Postweaning Multisystemic Wasting Syndrome.", Journal of Clinical Microbiology, vol. 36, No. 9, pp. 2535-2541, September 1998, XP-002090921	
	A10	G.M. Allan et al., "Isolation of porcine circovirus-like viruses from pigs with a wasting disease in the USA and Europe.", Journal of Veterinary Diagnostic Investigation, vol. 10, pp. 3-10, January 1998, XP-002068503	
	A11	John Ellis et al., "Isolation of circovirus from lesions of pigs with postweaning multisystemic wasting syndrome.", Canadian Veterinary Journal, vol. 39, pp. 44-51, January 1998, XP-002068502	
	A12	J. Ségales et al., "First report of post-weaning multisystemic wasting syndrome in pigs in Spain.", Beterinary Record, vol. 141, No. 23, pp. 600-601, December 1997, XP-002068504	
	A13	I. Tischer et al., "Distribution of antibodies to porcine circovirus in swing populations of different breeding farms.", Archives of Virology, vol. 140, No. 4, pp. 737-743, 1995, XP-002104704	
	A14	AUTHOR UNKNOWN, GenBank Info on AF027217 (Revised July 5, 2002).	
↓	A15	AUTHOR UNKNOWN, NCBI Sequence Revision History of AF027217 (Revised July 5, 2002).	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

October 20, 2004

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Sheet 1 of 7

OCT 20 2004 TRADEMARK

Complete if Known	
Application Number	10/682,420
Filing Date	10/10/2003
First Named Inventor	André JESTIN
Group Art Unit	1648
Examiner Name	Ali Reza Salimi
Attorney Docket Number	042049-0106

U.S. PATENT DOCUMENTS

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AJ	B1	6,497,883		Michel et al.	12-24-2002	
	B2	6,517,843		Albert et al.	02-11-2003	
	B3	6,143,334		Gordon et al.	11-07-2000	
	B4	2002/0177216		Phillip et al.	11-28-2002	
	B5	2002/0106639		Wang et al.	08-08-2002	
	B6	2002/0055189		Bernhardt et al.	05-09-2002	
↓	B7	6,287,856		Poet et al.	09-11-2001	

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AJ	B8		FR 2 422 956		Institut Pasteur	11-09-1979		
	B9		FR 2 518 755		Institut Pasteur	06-24-1983		
	B10		WO 90/11092		Vical, Inc.	10-04-1990		
	B11		WO 94/27238		MDS Health Group Ltd.	11-24-1994		
	B12		WO 95/11307		Institut Pasteur	04-27-1995		
	B13		WO 00/77188		Merial	12-21-2001		
	B14		DE 10044648		Aventis Behring GmBh	03-21-2002		
	B15		WO 01/96377		Purdue Research Foundation	12-20-2001		
↓	B16		WO 02/102999		Univ. Melbourne	12-27-2002		

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AJ	B17	Allan, G.M. et al., 1995, Vet. Microbiol., 44: 49-64.	
AJ	B18	Barany, F., 1991, PNAS. USA, 88: 189-193.	
AJ	B19	Liu et al., 1997, J. Gen. Virol., 78 (Pt 6), 1265-1270.	

#1,281,811

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	10/682,420
				Filing Date	10/10/2003
October 20, 2004				**First Named Inventor**	André JESTIN
				Group Art Unit	1648
(use as many sheets as necessary)				Examiner Name	Ali Reza Salimi
Sheet	2	of	7	Attorney Docket Number	042049-0106

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AJ	B20	Buckholz, R.G., 1993, Yeast systems for the expression of heterologous gene products. Curr. Op. Biotechnology 4: 538-542.	
	B21	Burg, J.L. et al., 1996, Mol. and Cell. Probes, 10: 257-271.	
	B22	Chu, B.C.F. et al., 1986, NAR, 14: 5591-5603.	
	B23	Chu, P.W.G. et al., 1993, Virus Research, 27: 161-171.	
	B24	Clark, E.G., 1997, American Association of Swine Practitioners, 499-501.	
	B25	Daft, B. et al., 1996, American Association of Veterinary Laboratory Diagnosticians, 32.	
	B26	Derse, D. et al., 1995, J. Virol., 69(3): 1907-1912.	
	B27	Duck, P. et al., 1990, Biotechniques, 9: 142-147.	
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	B30	Edwards, S. et al., 1994, Vet. Rec., 134: 680-681.	
	B31	Erlich, H.A., 1989, In PCR Technology. Principles and Applications for DNA Amplification. New York: Stockton Press.	
	B32	Felgner, et al., 1987, Proc. Natl. Acad. Sci., 84: 7413-7417.	
	B33	Fontes, E.P.B. et al., 1994, J. Biol. Chem., Vol. 269, No. 11: 8459-8465.	

#1,281,811

Examiner Signature		Date Considered	11/23/04

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October 20, 2004				**First Named Inventor**	André JESTIN
				Group Art Unit	1648
(use as many sheets as necessary)				Examiner Name	Ali Reza Salimi
Sheet	3	of	7	Attorney Docket Number	042049-0106

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AD	B34	Fraley et al., 1980, J. Biol. Chem., 255: 10431-10435.	
	B35	Guateli, J.C. et al., 1990, Proc. Nat'l Acad. Sci., USA, 87: 1874-1878.	
	B36	Hackland, A.F. et al., 1994, Arch. Virol., 139: 1-22.	
	B37	Hanson, S.F. et al., 1995, Virology, 211: 1-9.	
	B38	Harding, J.C., 1997, American Association of Swine Practitioners, 503.	
	B39	Harding, R.M. et al., 1993, Journal of General Virology, 74: 323-328.	
	B40	Harding, J.C. and Clark, E.G., 1997, Swine Health and Production, Vol. 5, No. 5: 201-203.	
	B41	Heyraud-Nitschke, F. et al., 1995, Nucleic Acids Research, Vol. 23, No. 6: 910-916.	
	B42	Horner, G.W., 1991, Surveillance 18(5): 23.	
	B43	Müller, 1974, in Methode der Organischen Chemie, E. Wunsch Ed., Volume 15-I and 15-II, Thieme, Stuttgart.	
	B44	Huygen, K. et al., 1996, Nature Medicine, 2(8): 893-898.	
	B45	Innis, M.A. et al., 1990, in PCR Protocols. A guide to Methods and Applications, San Diego, Academic Press.	
	B46	Kaneda, et al., 1989, Science, 243: 375-378.	
↓	B47	Kievitis, T. et al., 1991, J. Virol. Methods, 35: 273-286.	

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October 20, 2004				**First Named Inventor**	André JESTIN
				Group Art Unit	1648
(use as many sheets as necessary)				Examiner Name	Ali Reza Salimi
Sheet	4	of	7	Attorney Docket Number	042049-0106

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AJ	B48	Kohler, G. & Milstein, 1975, Nature, 256(5517): 495-497.	
	B49	Kwoh, D.Y. et al., 1989, Proc. Nat'l Acad. Sci., USA, 86: 1173-1177.	
	B50	Ladany, S. et al., 1989, J. Clin. Microbiol. 27: 2778-2783.	
	B51	Lazarowitz, S.G. et al., 1989, The EMBO Journal, Vol. 8 No. 4: 1023-1032.	
	B52	Luckow, V.A., 1993, Baculovirus systems for the expression of human gene products. Curr. Op. Biotechnol. 4: 564-572.	
	B53	Mankertz, A. et al., 1997, J. Virol., 71: 2562-2566.	
	B54	Matthews, J.A. et al., 1988, Anal. Biochem., 169: 1-25.	
	B55	McNeilly, F. et al., 1996, Vet. Immunol. Immunopathol., 49: 295-306.	
	B56	Meehan, B.M. et al., 1997, J. Gen. Virol. 78: 221-227.	
	B57	Marglin, A. and Merrifield, R.B., 1966, J. Am. Chem. Soc., 88(21): 5051-5052.	
	B58	Midoux, 1993, Nucleic Acids Research, 21: 871-878.	
	B59	Miele, E.A. et al., 1983, J. Mol. Biol., 171: 281-295.	
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	B63	Pagano et al., 1967, J. Virol., 1: 891-897.	
	B64	Rolfs, A. et al., "Usage of Polymerase Chain Reaction in Genetic and Infectious Disease" in PCR Topics, 1991, Springer-Verlag, Berlin.	
	B65	Sambrook, J. et al., 1989, Molecular cloning: A Laboratory Manual. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press.	
	B66	Sanchez-Pescador, R., 1988, J. Clin. Microbiol., 26(10): 1934-1938.	
	B67	Kessler, C., "Overview of Amplification on Systems" in Non-radioactive Labeling and Detection of Biomolecules, 1992, Springer Verlag, Berlin, New-York: 197-205.	
	B68	Shiver, J.W., "Immune Responses to HIV gp120 Elicited by DNA Vaccination," in Vaccines, 1995, eds Chanock, et al., pp. 95-98, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York.	
	B69	Tascon, R.E. et al., 1996, Nature Medicine, 2(8): 888-892.	
	B70	Tischer, I. et al., 1982, Nature, 295: 64-66.	
	B71	Tischer, I. et al., 1986, Arch. Virol., 91: 271-276.	
	B72	Tischer, I. and Bohk, H.J., 1988, Zentralbl Bakteriol Mikrobiol Hyg [A] 270: 280-287.	
	B73	Urdea, M.S., 1988, Nucleic Acids Research, 11: 4937-4957.	
	B74	Walker, G.T. et al., 1992, Nucleic Acids Res. 20: 1691-1696.	
	B75	Walker, G.T. et al., 1992, Proc. Nat'l Acad. Sci., USA, 89: 392-396.	
	B76	White, B.A. et al. Eds, "PCR Cloning Protocol" in Methods in Molecular Biology, 67, Humana Press, Towota, 1997.	
	B77	Zhao, T.M. et al., 1996, Proc. Natl. Acad. Sci., USA 93(13): 6653-6648.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	10/682,420
				Filing Date	10/10/2003
October 20, 2004				**First Named Inventor**	André JESTIN
				Group Art Unit	1648
(use as many sheets as necessary)				Examiner Name	Ali Reza Salimi
Sheet	6	of	7	Attorney Docket Number	042049-0106

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
AJ	B78	Pearson, William R. et al., 1988, "Improved Tools for Biological Sequence Comparison", Proc. Nat'l Acad, Sci., USA, 85: 2444-2448	
	B79	Kasahara, Noriyuki et al., 1994, "Tissue-Specific Targeting of Retroviral Vectors Through Ligan-Receptor Interactions", Science, 266: 1373-1376	
	B80	Young, John A. T. et al., "Efficient Incorporation of Human CD4 Protein into Avian Leukosis Virus Particles", Reports, 1421-1423	
	B81	Chu, Te-hua Terina et al., 1997, "Toward Highly Efficient Cell-Type-Specific Gene Transfer with Retroviral Vectors Displaying Single-Chain Antibodies", J. Virol., 71(1): 720-725	
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	B86	Blanchard et al., 2003, "An ORF2 Protein-Based ELISA for Procine Circovirus Type 2 Antibodies in Post-Weaning Multisystemic Wasting Syndrome", Veterinary Microbiology, 94: 183-184	
	B87	Rose, N. et al., 2002, "Risk Factors for Porcine Post-Weaning Multisystemic Wasting Syndrome (PMWS) in 149 French Farrow-to-Finish Herds", Preventive Veterinary Microbiology, 61: 209-225	
	B88	Blanchard et al., 2003, "Protection of Swine Against Post-Weaning Multisystemic Wasting Syndrome (PMWS) by Porcine Circovirus Type 2 (PCV2) Proteins", Vaccine 21: 4565-4575	
	B89	Derwent Abstract of French Patent Appl. No. 2422956	
	B90	Derwent Abstract of French Patent Appl. No. 2518755	

#1,281,811

Examiner Signature		Date Considered	11/23/04

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AJ	B91	U.S. Patent Application Ser. No. 60/069,233, Wang et al., filed Dec. 11, 1997	
AJ	B92	U.S. Patent Application Ser. No. 60/069,750, Wang et al., filed Dec. 16, 1997	
AJ	B93	Derwent Abstract of German Patent Appl. No. 10044648	

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AS

U.S. Application 10/442,180 was filed on 05-21-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/637,011 was filed on 08-08-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/715,365 was filed on 11-19-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/718,264 was filed on 11-21-2003, which is pending and claims the benefit of 09/514,245.

U.S. Application 10/718,266 was filed on 11-21-2003, which is pending and claims the benefit of 09/514,245.

U.S. Application 10/775,337 was filed on 02-11-2004, which is pending and claims the benefit of 09/514,245.

Listing these applications is not meant to waive the secrecy of the corresponding file history.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claims in the application and Applicants determine that the cited documents do not constitute "prior art" under Untied States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check

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INFORMATION DISCLOSURE CITATION		APPLICANT André Jestin et al.	
(Use several sheets if necessary)		FILING DATE 04/09/2003	GROUP ART UNIT Unassigned

JC800 U.S. PTO 10/409613 04/09/03

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AJ	A1	6,217,883 B1	4/2001	Allen et al.	424	202.1	duplicate
AJ	A2	6,287,856 B1	9/2001	Poet et al.	435	320.1	duplicate
AJ	A3	6,368,601 B1	4/2002	Allen et al.	424	204.1	duplicate

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES	TRANSLATION NO
AJ	A4	99/18214	4/15/99	WIPO	duplicate		Abstract only	.

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

AJ	A5	Brian M. Meehan et al., "Sequence of porcine circovirus DNA: affinities with plant circoviruses.", Journal of General Virology, vol. 78, No. 1, pp. 221-227, January 1997, XP-002068398
	A6	Annette Mankertz et al., "Mapping and Characterization of the Origin of DNA Replication of Porcine Circovirus.", vol. 71, No. 3, pp. 2562-2566, March 1997, XP-002078782
	A7	Andre L. Hamel et al., "Nucleotide Sequence of Porcine Circovirus Associated with Postweaning Multisystemic Wasting Syndrome in Pigs.", Journal of Virology, col. 72, No. 6, pp. 5262-5267, June 1998, XP-002078783
	A8	Brian M. Meehan et al, "Characterization of novel circovirus DNAs associated with wasting syndromes in pigs. Journal of General Virology, vol. 79, No. 9, pp. 2171-2179, September 1998, XP-002090386
	A9	Igor Morozov et al., "Detection of a Novel Strain of Porcine Circovirus in Pigs with Postweaning Multisystemic Wasting Syndrome.", Journal of Clinical Microbiology, vol. 36, No. 9, pp. 2535-2541, September 1998, XP-002090921
	A10	G.M. Allan et al., "Isolation of porcine circovirus-like viruses from pigs with a wasting disease in the USA and Europe.", Journal of Veterinary Diagnostic Investigation, vol. 10, pp. 3-10, January 1998, XP-002068503
	A11	John Ellis et al., "Isolation of circovirus from lesions of pigs with postweaning multisystemic wasting syndrome.", Canadian Veterinary Journal, vol. 39, pp. 44-51, January 1998, XP-002068502
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	A13	I. Tischer et al., "Distribution of antibodies to porcine circovirus in swing populations of different breeding farms.", Archives of Virology, vol. 140, No. 4, pp. 737-743, 1995, XP-002104704

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